

Letters to the Editor

RAMAN SPECTRUM OF *O*-CHLOROETHYLBENZENE

The Raman spectrum of *o*-chloroethylbenzene was obtained in the liquid state. Mercury 4358 Å radiation, filtered through the Du Pont Rhodamine 5GDN extra dye in *p*-nitrotoluene-methylalcohol solution, was used for excitation.

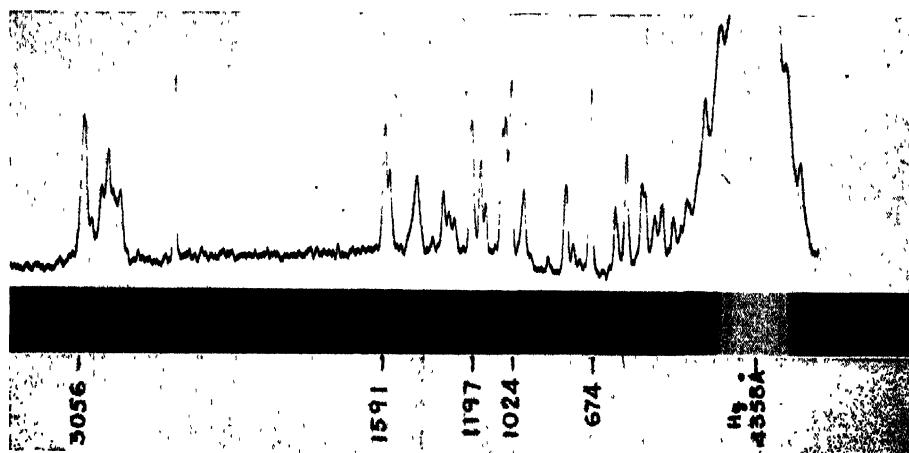


Fig. 1

About 35 Raman lines were recorded and the Raman shifts are given in Table I. Lines marked with an asterisk were obtained as Stokes and anti-Stokes lines. Semi-quantitative relative intensities (in the scale 0-10) are obtained from a microphotometer curve and given in Table I.

The Raman spectrum along with the microphotometer curve is reproduced in figure 1.

TABLE I

Raman frequencies of *o*-chloroethylbenzene

$\Delta\nu$ (cm^{-1})	Int	$\Delta\nu$ (cm^{-1})	Int
137*	4	1061	4
196*	3	1130	2
265*	1	1155	3
323*	1	1197	6
369*	2	1273	1
401	2	1299	2
440*	2	1321	2
456*	2	1367	1
522*	4	1441	2
566*	2	1566	3
674*	10	1591	4
720		2869	2
746	1	2902	2
856	1	2933	4
778	3	2965	2
964	2	3012	1
1024	10	3056	6
1044	5	—	—

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